

SEQUENCE LISTING

(1) General information:

(ii) Title of invention: NEW HUMAN HEPATOMA-DERIVED GROWTH FACTOR ENCODING SEQUENCE AND POLYPEPTIDE ENCODED BY SUCH DNA SEQUENCE AND PRODUCING METHOD THEREOF

(iii) Number of Sequences: 8

(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 23bp

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

ACCGCTCGTC CGCCCGGCTT GAG 23

(2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 26bp

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

GATCCTAGAC ATGTATAAGT CTGGC 26

(2) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 1024bp

(B) TYPE: nucleic acid

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

1 ACCGCTCGTC CGCCCGGCTT GAGGCCGCG GGGAGCGCG GCAATTCGTC GGCCCGCGG
61 GGGCGGCCT CCCGGCATCT TCGCGCGAC CAAGGACTAC CAGGAAGGG AGCGGCTGG
121 ATGGCGGTC CGCGGCCCG CGAGTACAAA GCGGGCGACC TGGTCTTCG CAAGATGAAG
181 GGCTACCGC ACTGGCCGGC CCGGATTGAT GAACTCCCAG AGGGCGCTGT GAAGCCTCCA
241 GCAAACAAGT ATCCTATCTT CTTTTTGGC ACCCATGAAA CTGCATTTCT AGGTCCCAAA
301 GACCTTTTTC CATATAAGGA GTACAAAGAC AAGTTTGAA AGTCAAACAA ACGGAAAGGA
361 TTTAACGAAG GATTGTGGGA AATAGAAAAT AACCAGGAG TAAAGTTTAC TGGTACCAG
421 GCAATTCAGC AACAGAGCTC TTCAGAAAAT GAGGGAGAAG GTGGAAATAC TGCAGATGCA
481 AGCAGTGAGG AAGAAGGTGA TAGAGTAGAA GAAGATGGAA AAGGCAAAAG AAAGAATGAA
541 AAAGCAGGCT CAAAACGGAA AAAGTCATAT ACTTCAAAGA AATCCTCTAA ACAGTCCCGG
601 AAATCTCCAG GAGATGAAGA TGACAAAGAC TGCAAAGAAG AGGAAAACAA AAGCAGCTCT
661 GAGGTGGAG ATGCGGGCAA CGACACAAGA AACACAATT CAGACTTGCA GAAAACCAGT
721 GAAGGGACCT AACTACCATA ATGAATGCTG CATATTAAGA GAAACCACAA GAAGTTTATA
781 TGTTTGGTTG TCTAATATTC TTGGATTGTA TATGAACCAA CACATAGTCC TTGTTGTCAT
841 TGACAGAACC CCAGTTTGTA TGTACATTAT TCATATTCCT CTCTGTTGTG TTTCGGGGGG
901 AAAAGACATT TAGCCTTTT TAAAAGTTA CTGATTTAAT TTCATGTTAT TTGGTTGCAT

961 GAAGTTGCCC TTAACCACTA AGGATTATCA AGATTTTTCG GCAGACTTAT ACATGTCTAG
1021 GATC

(2) INFORMATION FOR SEQ ID NO: 4:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 203 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: lineal

(ii) MOLECULE TYPE: polypeptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

1 Met Ala Arg Pro Arg Pro Arg Glu Tyr Lys Ala Gly Asp Leu Val
16 Phe Ala Lys Met Lys Gly Tyr Pro His Trp Pro Ala Arg Ile Asp
31 Glu Leu Pro Glu Gly Ala Val Lys Pro Pro Ala Asn Lys Tyr Pro
46 Ile Phe Phe Phe Gly Thr His Glu Thr Ala Phe Leu Gly Pro Lys
61 Asp Leu Phe Pro Tyr Lys Glu Tyr Lys Asp Lys Phe Gly Lys Ser
76 Asn Lys Arg Lys Gly Phe Asn Glu Gly Leu Trp Glu Ile Glu Asn
91 Asn Pro Gly Val Lys Phe Thr Gly Tyr Gln Ala Ile Gln Gln Gln
106 Ser Ser Ser Glu Thr Glu Gly Glu Gly Gly Asn Thr Ala Asp Ala
121 Ser Ser Glu Glu Glu Gly Asp Arg Val Glu Glu Asp Gly Lys Gly
136 Lys Arg Lys Asn Glu Lys Ala Gly Ser Lys Arg Lys Lys Ser Tyr
151 Thr Ser Lys Lys Ser Ser Lys Gln Ser Arg Lys Ser Pro Gly Asp
166 Glu Asp Asp Lys Asp Cys Lys Glu Glu Glu Asn Lys Ser Ser Ser
181 Glu Gly Gly Asp Ala Gly Asn Asp Thr Arg Asn Thr Thr Ser Asp
196 Leu Gln Lys Thr Ser Glu Gly Thr

(2) INFORMATION FOR SEQ ID NO: 5:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 29bp

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

CCACGGATCC ATGCGCGTC CGCGGCCCC 29

(2) INFORMATION FOR SEQ ID NO: 6:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 29bp

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

ATCCGTCGAC TTAGGTCCT TCACTGGTT 29

(2) INFORMATION FOR SEQ ID NO: 7:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 29bp

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

Sub A2

cont.

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(ii) MOLECULAR TYPE: oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

CCCTAAGCTT ATGGGCGTC CGCGGCCCC 29

(2) INFORMATION FOR SEQ ID NO: 8:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 29bp

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

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(ii) MOLECULAR TYPE: oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:

TTTCGGATCC TTAGGTCCT TCACTGGTT 29

09787328.031601